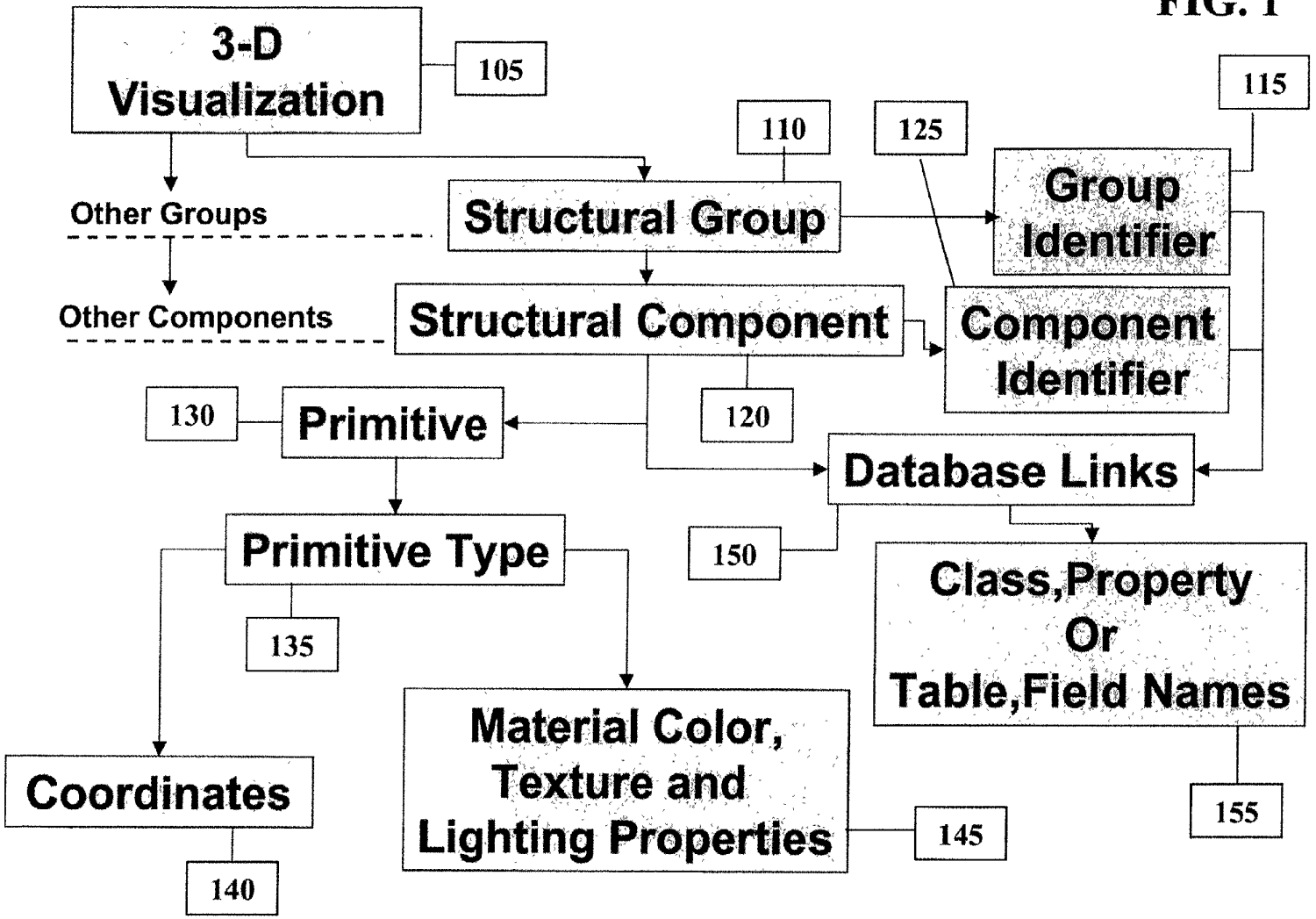
TOTTOT 90S20660

FIG. 1



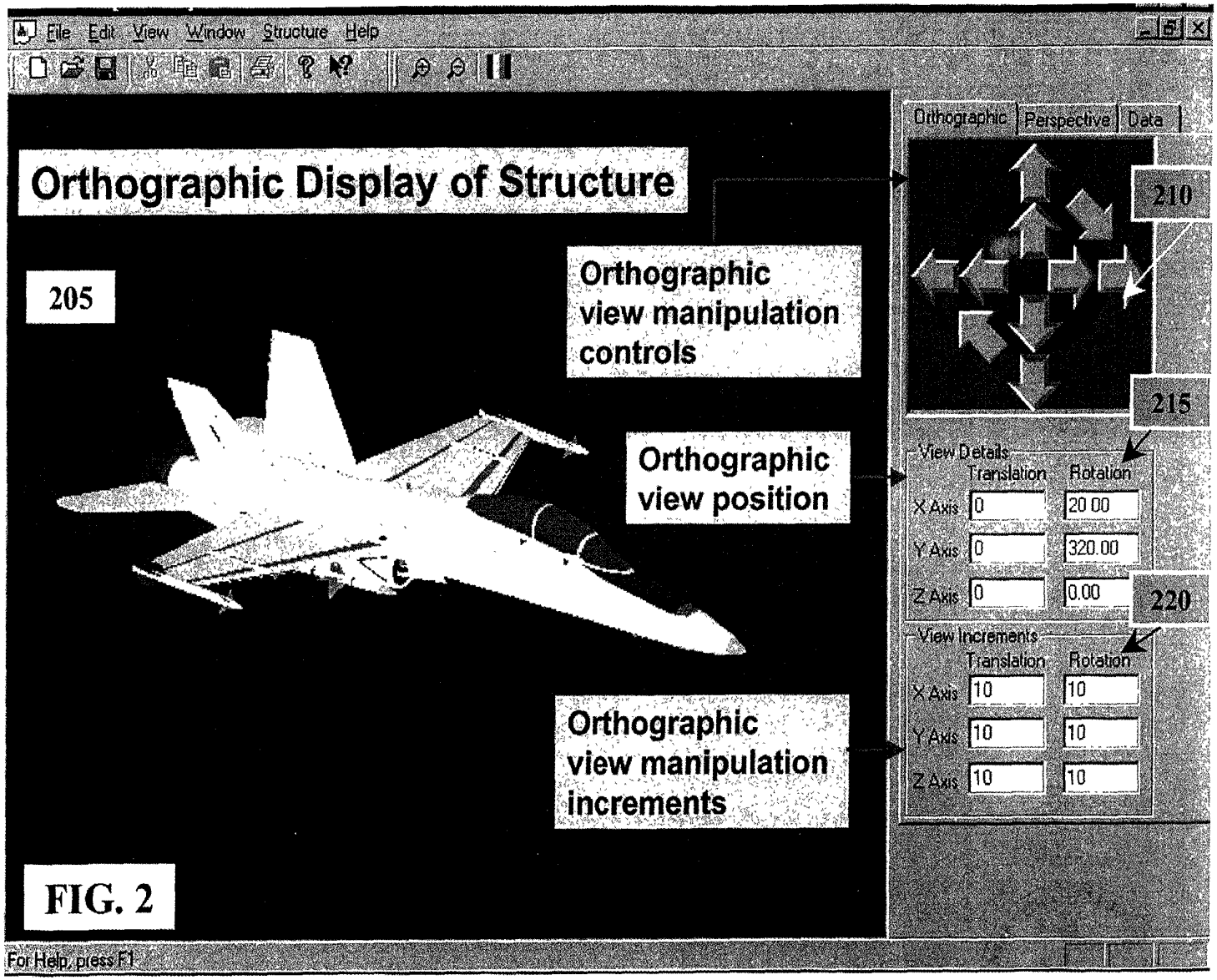

File Edit View Window Structure Help
Orthographic Display of Structure
205
Orthographic view manipulation controls
Orthographic view position
Orthographic view manipulation increments
Orthographic
Perspective
Data
210
215
View Details
Translation
Rotation
X Axis 0 20.00
Y Axis 0 320.00
Z Axis 0 0.00
220
View Increments
Translation
Rotation
X Axis 10 10
Y Axis 10 10
Z Axis 10 10
For Help, press F1

FIG. 2

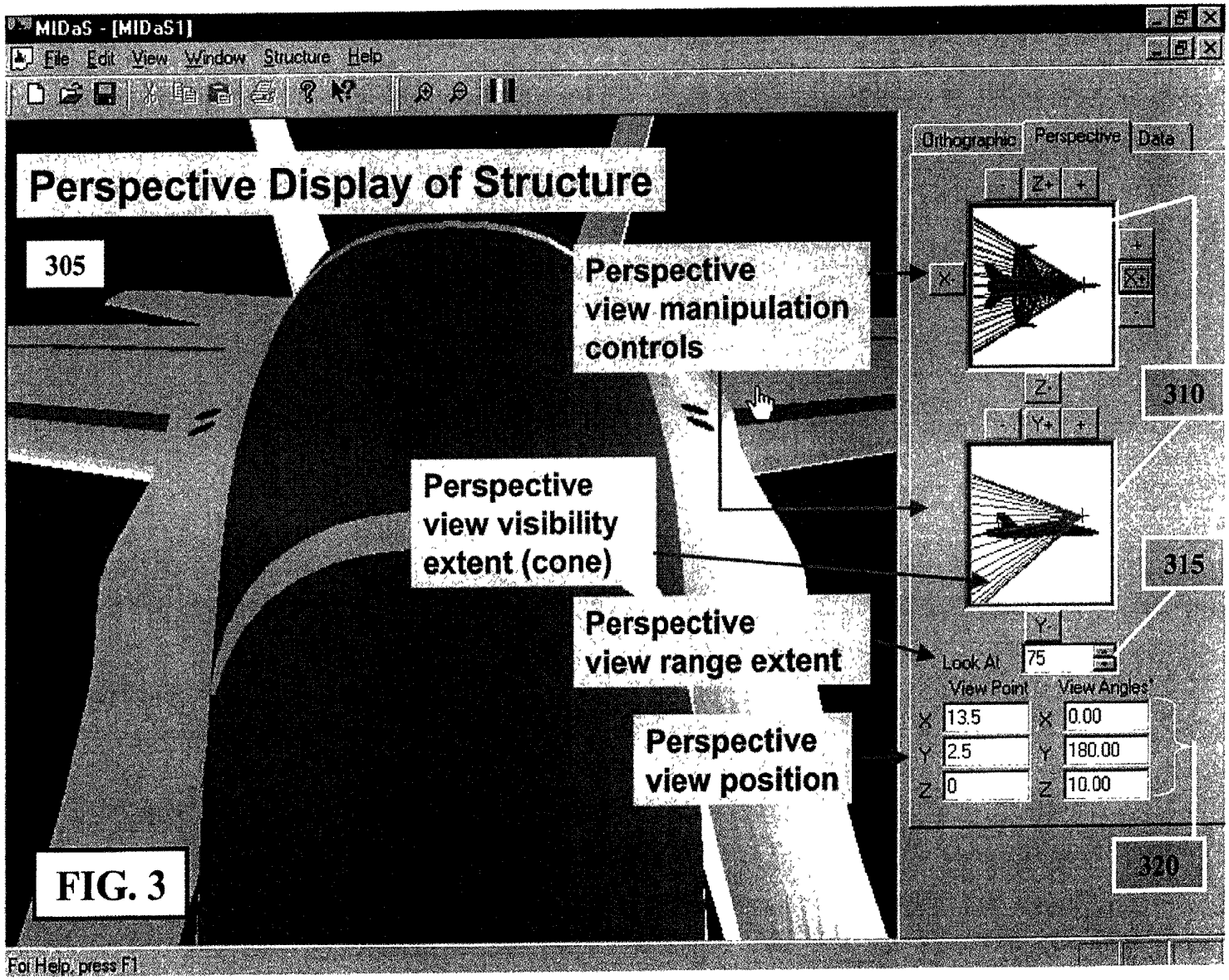

MIDaS - [MIDaS1]
File Edit View Window Structure Help
Perspective Display of Structure
305
Perspective view manipulation controls
Perspective view visibility extent (cone)
Perspective view range extent
Perspective view position
Orthographic
Perspective
Data
310
315
320
Look At
75
View Point
View Angles
X 13.5
Y 2.5
Z 0
X 0.00
Y 180.00
Z 10.00
For Help, press F1

FIG. 3

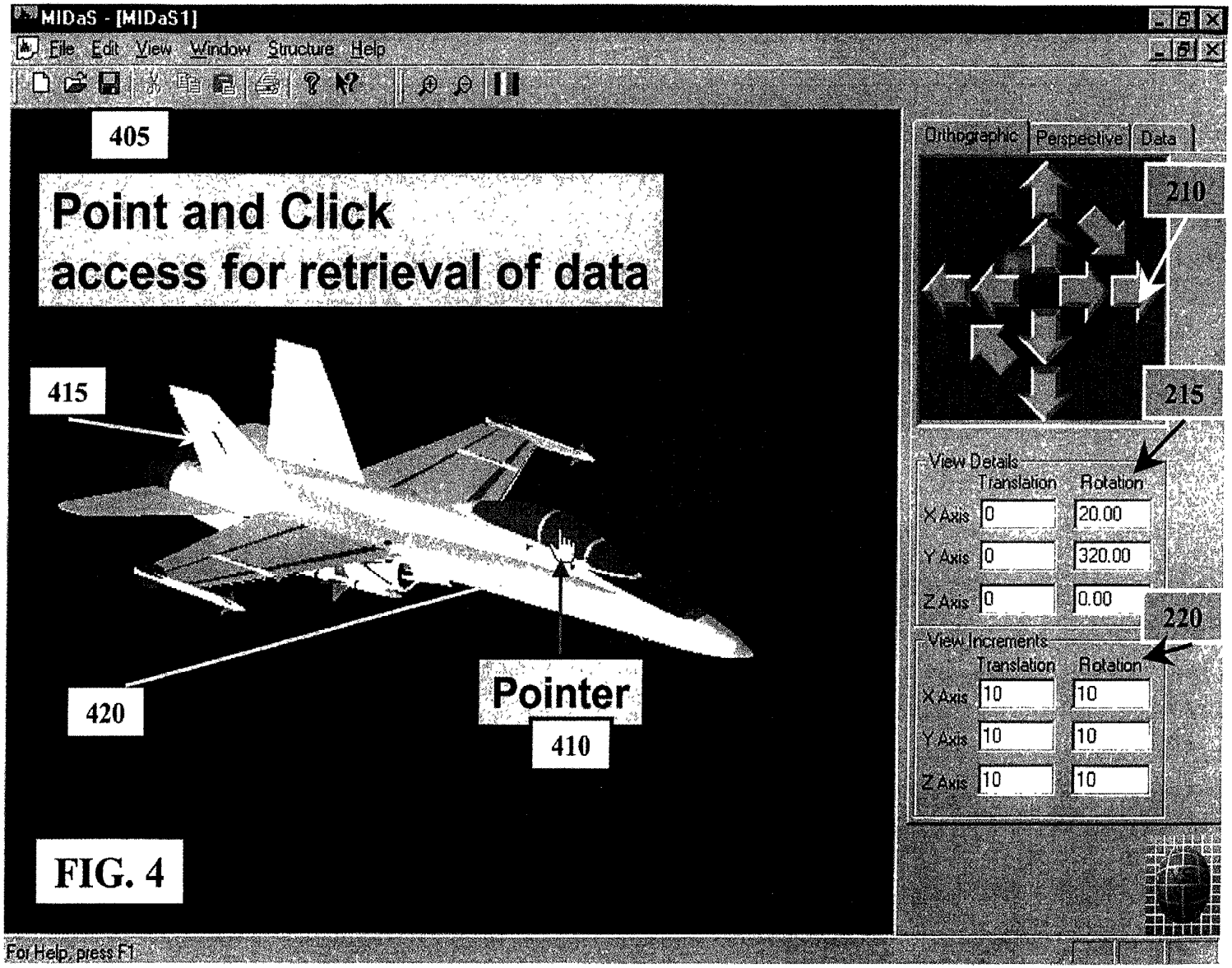

MIDaS - [MIDaS1]
File Edit View Window Structure Help
405
Point and Click
access for retrieval of data
415
420
Pointer
410
Orthographic
Perspective
Data
210
215
View Details
Translation
Rotation
X Axis 0 20.00
Y Axis 0 320.00
Z Axis 0 0.00
220
View Increments
Translation
Rotation
X Axis 10 10
Y Axis 10 10
Z Axis 10 10
For Help, press F1

FIG. 4

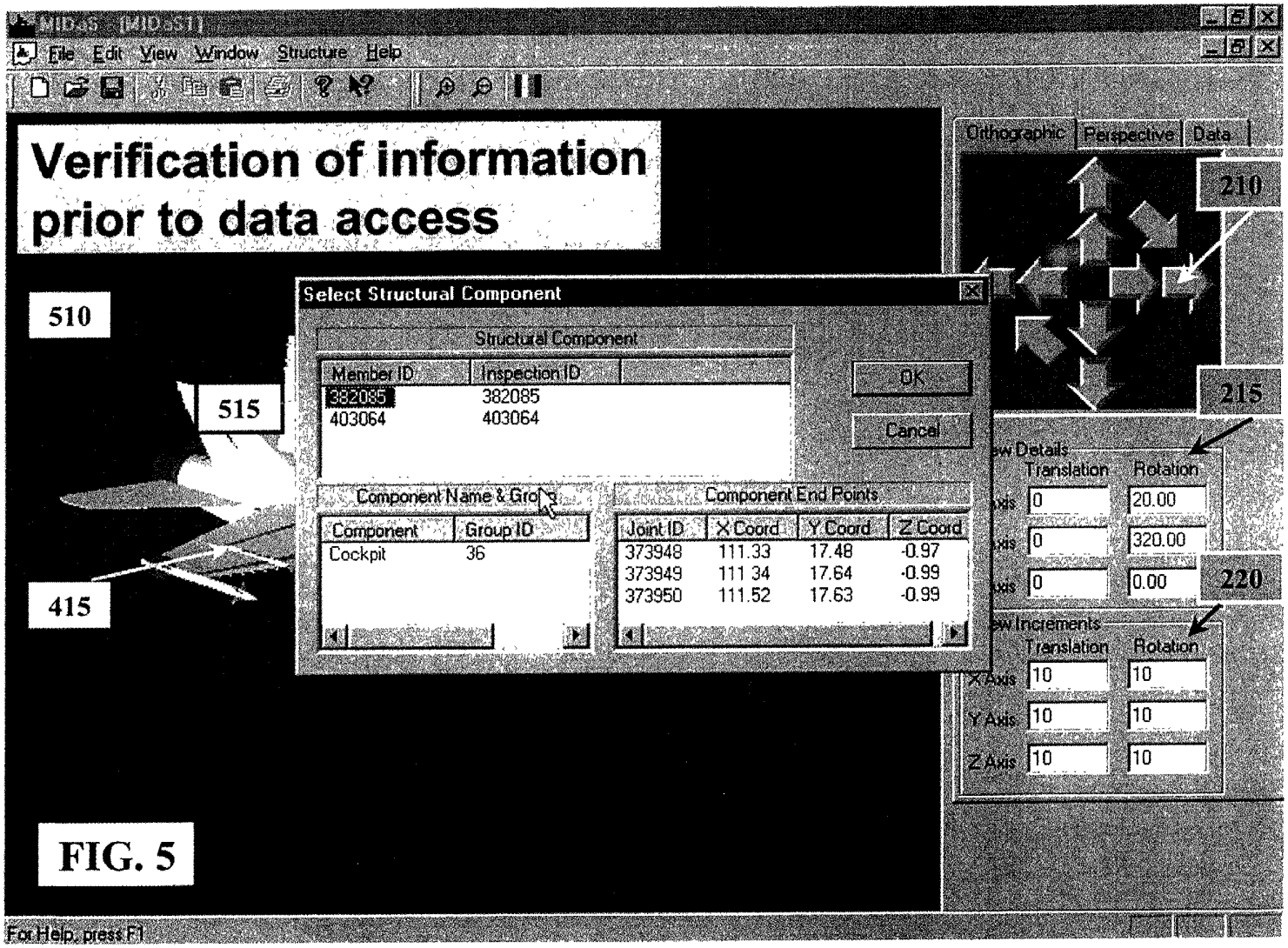
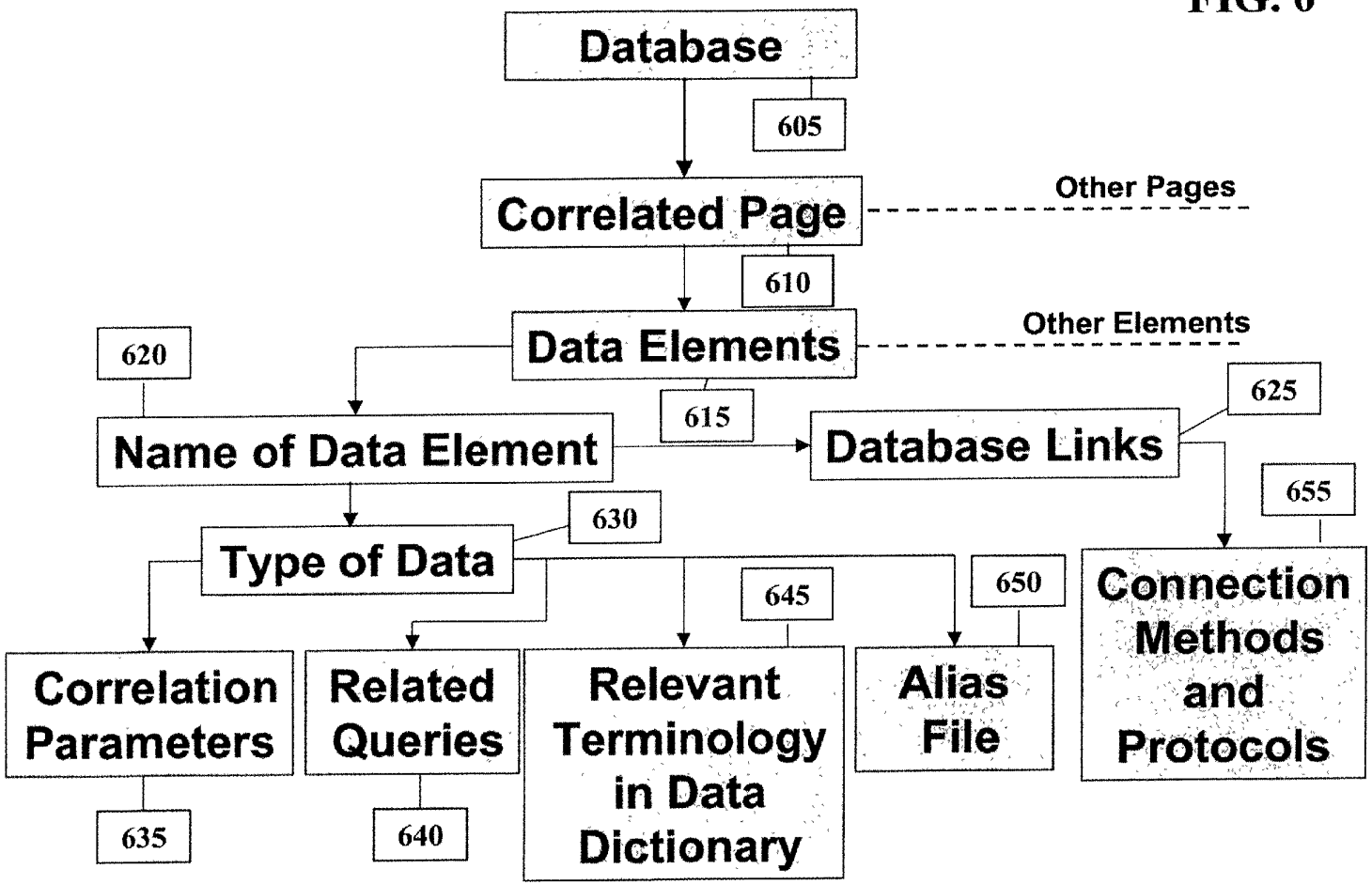

Verification of information prior to data access
510
515
415
Select Structural Component
Structural Component
Member ID
Inspection ID
382085
382085
403064
403064
OK
Cancel
Component Name & Gro
Component
Group ID
Cockpit
36
Component End Points
Joint ID
X Coord
Y Coord
Z Coord
373948
111.33
17.48
-0.97
373949
111 34
17.64
-0.99
373950
111.52
17.63
-0.99
Orthographic
Perspective
Data
210
215
Translation
Rotation
0
20.00
0
320.00
0
0.00
220
Translation
Rotation
X Axis
10
10
Y Axis
10
10
Z Axis
10
10
For Help, press F1

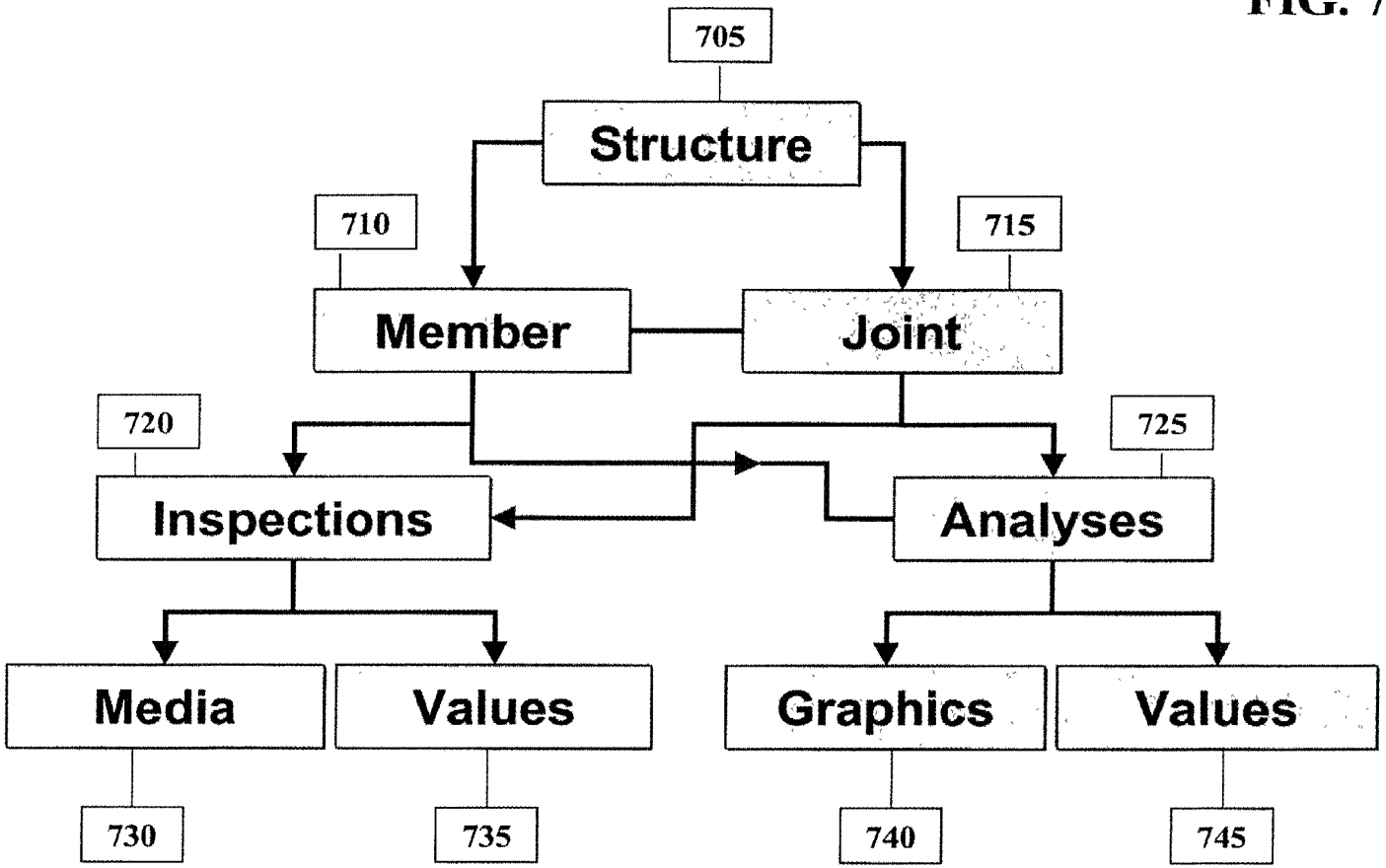
FIG. 5

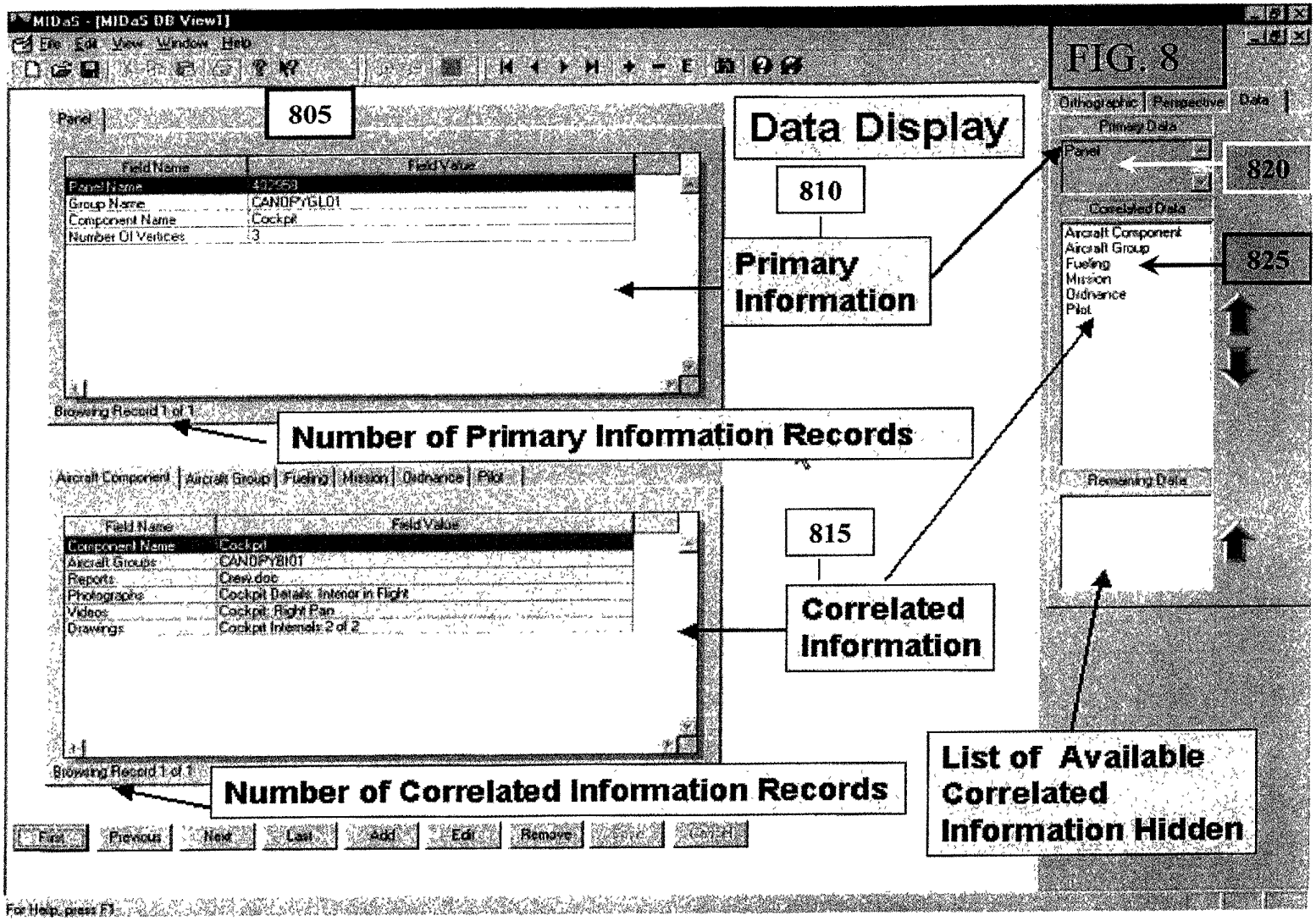
FIG. 6

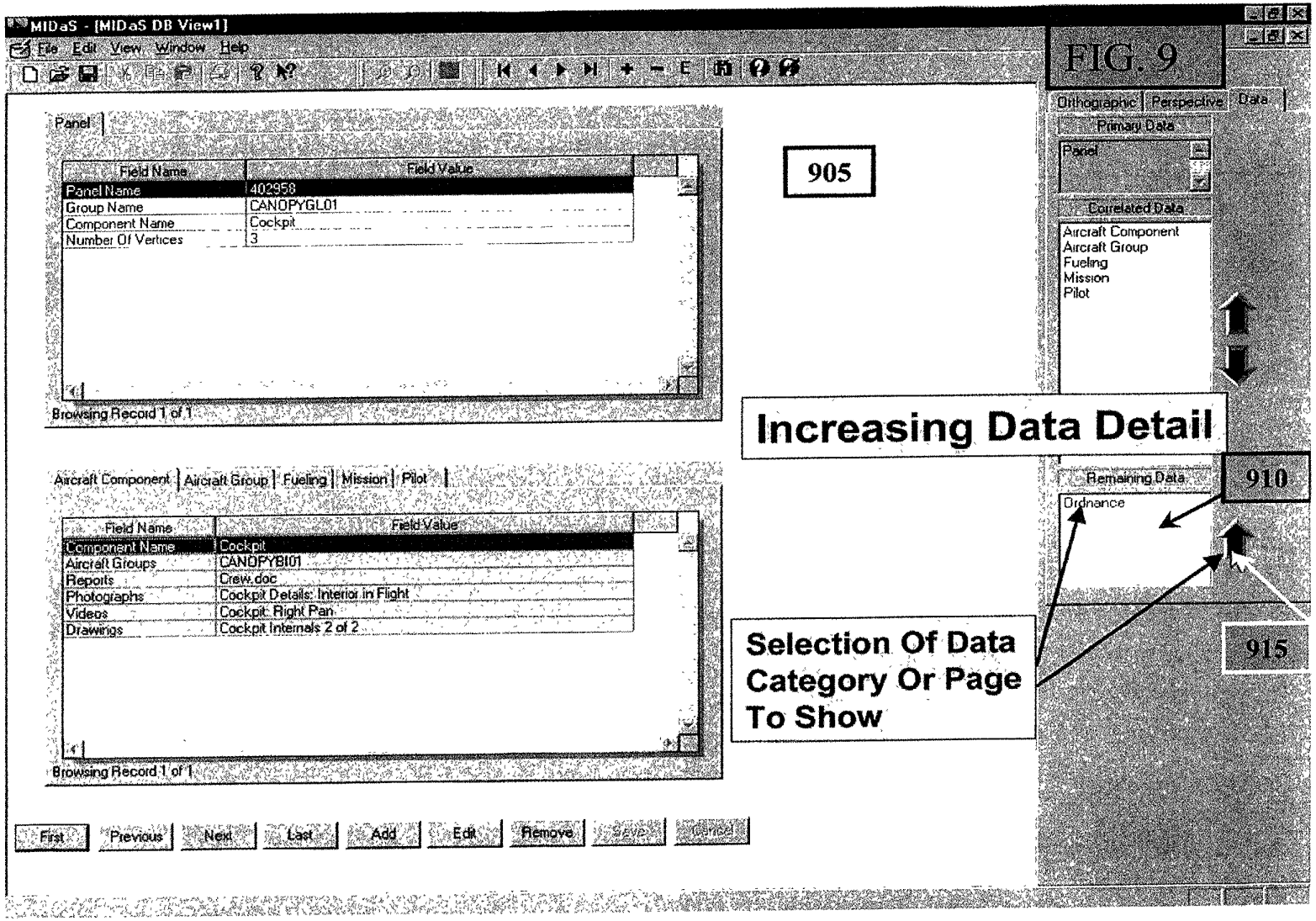

Database
605
Correlated Page
Other Pages
610
Data Elements
Other Elements
620
615
625
Name of Data Element
Database Links
655
630
Type of Data
650
645
Connection Methods and Protocols
Correlation Parameters
Related Queries
Relevant Terminology in Data Dictionary
Alias File
635
640

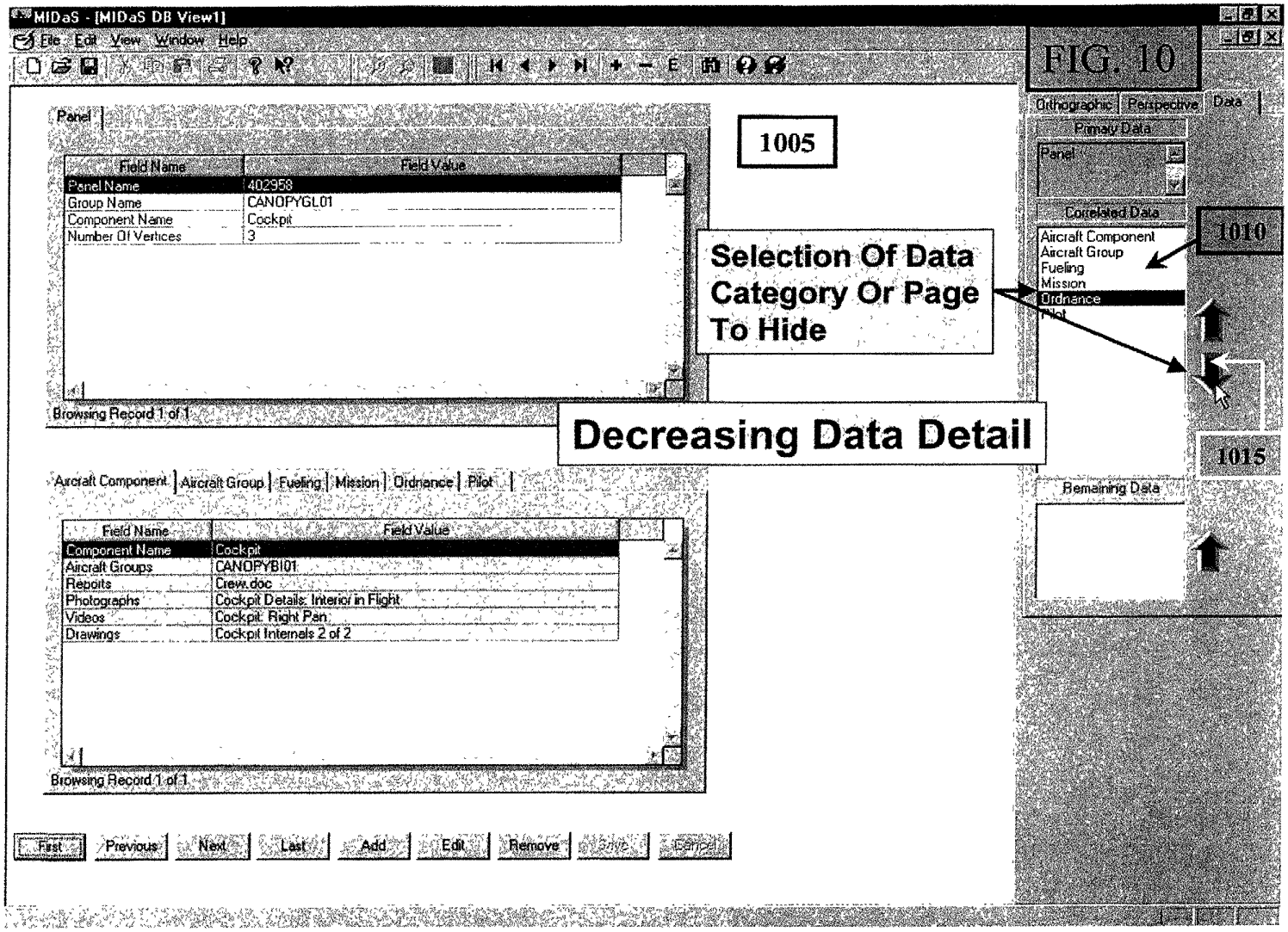
TOTTOT 90520660

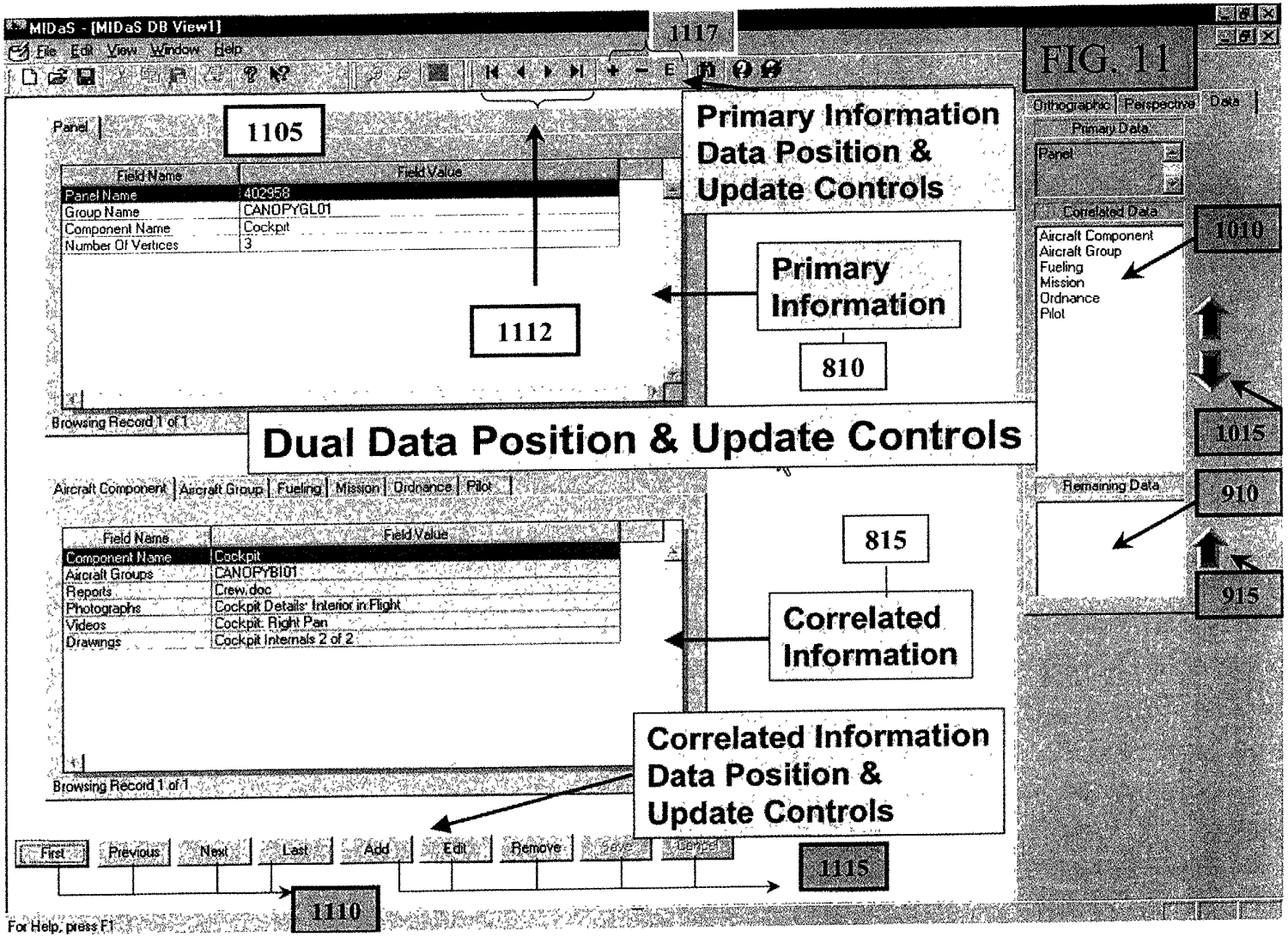
FIG. 7




MIDAS - [MIDAS DB View1]
File Edit View Window Help
FIG. 8
805
Data Display
810
Primary Information
820
825
Number of Primary Information Records
815
Correlated Information
List of Available Correlated Information Hidden
Number of Correlated Information Records
Orthographic
Perspective
Data
Primary Data
Panel
Correlated Data
Aircraft Component
Aircraft Group
Fueling
Mission
Ordnance
Pilot
Remaining Data
Field Name
Field Value
Panel Name
Group Name
Component Name
Number Of Vertices
Cockpit
3
Browsing Record 1 of 1
Component Name
Aircraft Groups
Reports
Photographs
Videos
Drawings
Cockpit
Crew.doc
Cockpit Details: Interior in Flight
Cockpit: Right Pan
Cockpit Internals 2 of 2
First
Previous
Next
Last
Add
Edit
Remove
Save
Cancel
For Help, press F1


MIDaS - [MIDaS DB View1]
File Edit View Window Help
FIG. 9
Panel
Field Name
Field Value
Panel Name
402958
Group Name
CANOPYGL01
Component Name
Cockpit
Number Of Vertices
3
Browsing Record 1 of 1
905
Orthographic
Perspective
Data
Primary Data
Panel
Correlated Data
Aircraft Component
Aircraft Group
Fueling
Mission
Pilot
Increasing Data Detail
Aircraft Component
Aircraft Group
Fueling
Mission
Pilot
Field Name
Field Value
Component Name
Cockpit
Aircraft Groups
CANOPYBI01
Reports
Crew.doc
Photographs
Cockpit Details: Interior in Flight
Videos
Cockpit: Right Pan
Drawings
Cockpit Internals 2 of 2
Browsing Record 1 of 1
Remaining Data
910
Ordnance
915
Selection Of Data Category Or Page To Show
First
Previous
Next
Last
Add
Edit
Remove
Save
Cancel


MIDaS - [MIDaS DB View1]
File Edit View Window Help
FIG. 10
Panel
Field Name
Field Value
Panel Name
402958
Group Name
CANOPYGL01
Component Name
Cockpit
Number Of Vertices
3
Browsing Record 1 of 1
1005
Selection Of Data Category Or Page To Hide
Decreasing Data Detail
Orthographic
Perspective
Data
Primary Data
Panel
Correlated Data
Aircraft Component
Aircraft Group
Fueling
Mission
Ordnance
Pilot
1010
1015
Remaining Data
Aircraft Component
Aircraft Group
Fueling
Mission
Ordnance
Pilot
Field Name
Field Value
Component Name
Cockpit
Aircraft Groups
CANOPYBI01
Reports
Crew.doc
Photographs
Cockpit Details: Interior in Flight
Videos
Cockpit: Right Pan
Drawings
Cockpit Internals 2 of 2
Browsing Record 1 of 1
First
Previous
Next
Last
Add
Edit
Remove
Save
Cancel


MIDaS - [MIDaS DB View1]
File Edit View Window Help
1117
FIG. 11
Primary Information Data Position & Update Controls
Panel
1105
Field Name
Field Value
Panel Name
402958
Group Name
CANOPYGL01
Component Name
Cockpit
Number Of Vertices
3
1112
Primary Information
810
Browsing Record 1 of 1
Dual Data Position & Update Controls
Aircraft Component
Aircraft Group
Fueling
Mission
Ordnance
Pilot
Field Name
Field Value
Component Name
Cockpit
Aircraft Groups
CANOPYBI01
Reports
Crew.doc
Photographs
Cockpit Details: Interior in Flight
Videos
Cockpit: Right Pan
Drawings
Cockpit Internals 2 of 2
815
Correlated Information
Browsing Record 1 of 1
Correlated Information Data Position & Update Controls
First
Previous
Next
Last
Add
Edit
Remove
Save
Cancel
1115
1110
For Help, press F1
Orthographic
Perspective
Data
Primary Data
Panel
Correlated Data
Aircraft Component
Aircraft Group
Fueling
Mission
Ordnance
Pilot
1010
1015
Remaining Data
910
915

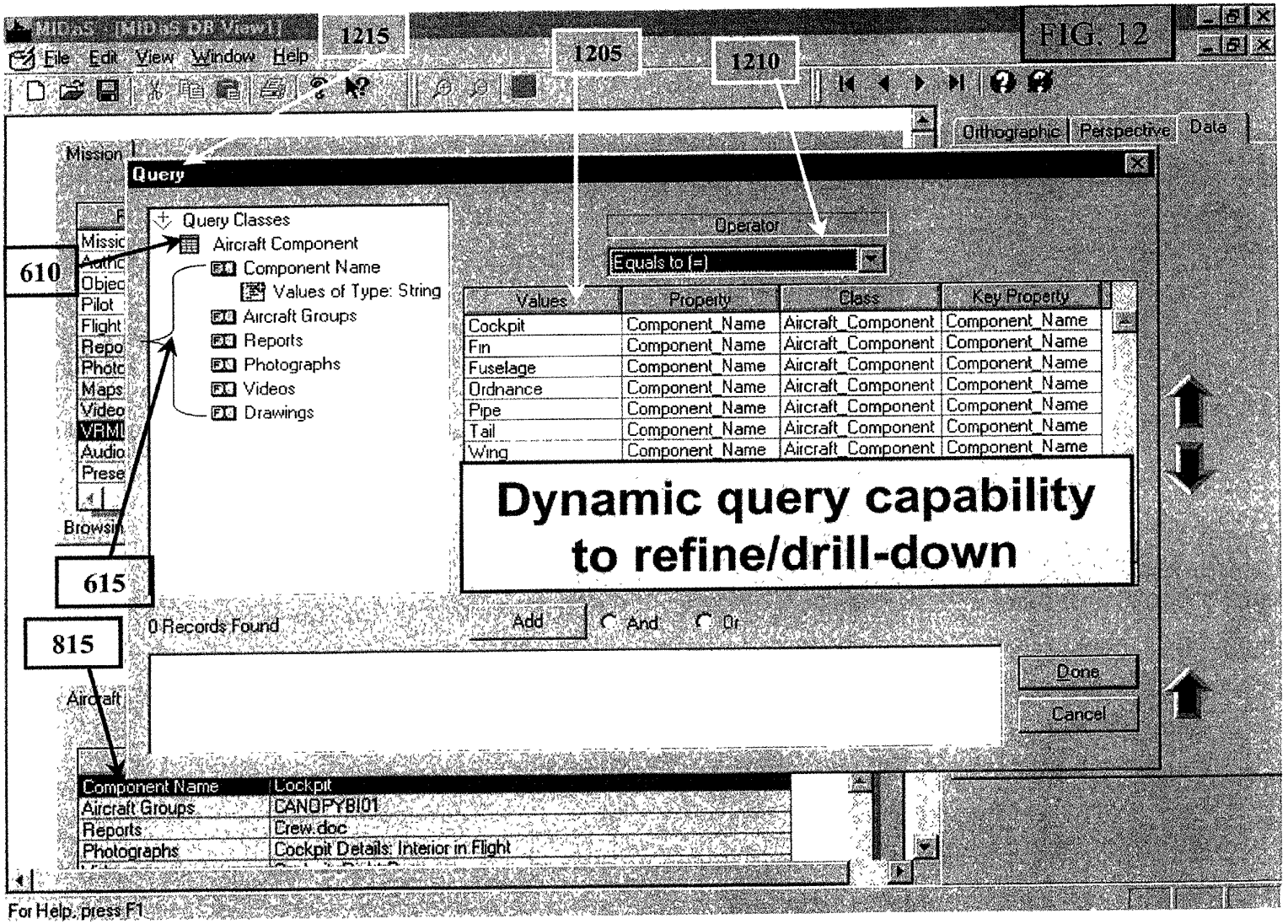
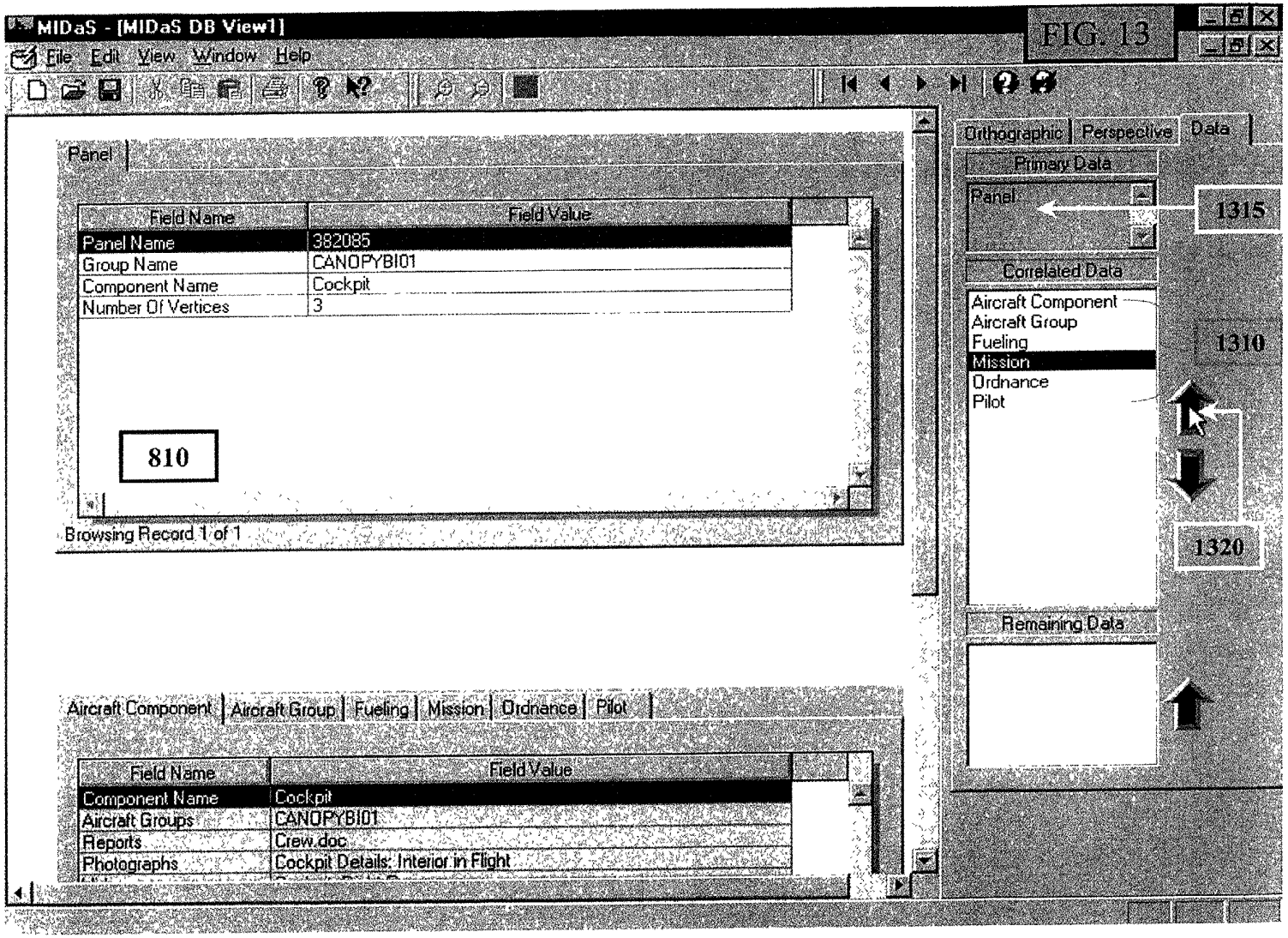


FIG. 12
1215
1205
1210
File Edit View Window Help
Orthographic
Perspective
Data
Mission
Query
Query Classes
Aircraft Component
Component Name
Values of Type: String
Aircraft Groups
Reports
Photographs
Videos
Drawings
610
615
815
Operator
Equals to (=)
Values
Property
Class
Key Property
Cockpit Component_Name Aircraft_Component Component_Name
Fin Component_Name Aircraft_Component Component_Name
Fuselage Component_Name Aircraft_Component Component_Name
Ordnance Component_Name Aircraft_Component Component_Name
Pipe Component_Name Aircraft_Component Component_Name
Tail Component_Name Aircraft_Component Component_Name
Wing Component_Name Aircraft_Component Component_Name
Dynamic query capability to refine/drill-down
0 Records Found
Add
And
Or
Done
Cancel
Component Name Cockpit
Aircraft Groups CANOPYBI01
Reports Crew.doc
Photographs Cockpit Details: Interior in Flight
For Help, press F1

FIG. 13


MIDaS - [MIDaS DB View1]
File Edit View Window Help
Panel
Field Name
Field Value
Panel Name
382085
Group Name
CANOPYBI01
Component Name
Cockpit
Number Of Vertices
3
810
Browsing Record 1 of 1
Aircraft Component
Aircraft Group
Fueling
Mission
Ordnance
Pilot
Field Name
Field Value
Component Name
Cockpit
Aircraft Groups
CANOPYBI01
Reports
Crew.doc
Photographs
Cockpit Details: Interior in Flight
Orthographic
Perspective
Data
Primary Data
Panel
1315
Correlated Data
Aircraft Component
Aircraft Group
Fueling
Mission
Ordnance
Pilot
1310
1320
Remaining Data

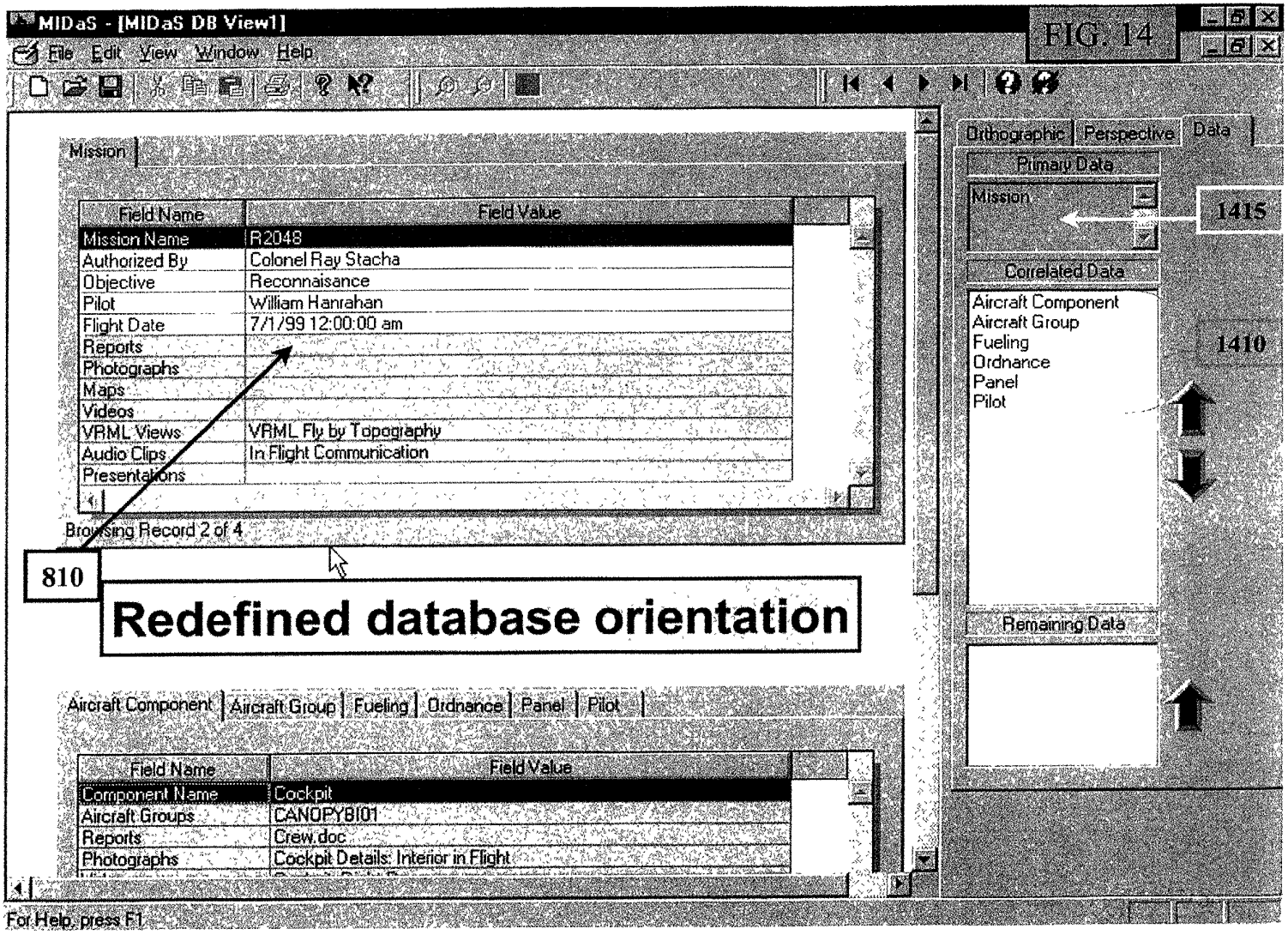

MIDaS - [MIDaS DB View1]
File Edit View Window Help
Mission
Field Name
Field Value
Mission Name
R2048
Authorized By
Colonel Ray Stacha
Objective
Reconnaisance
Pilot
William Hanrahan
Flight Date
7/1/99 12:00:00 am
Reports
Photographs
Maps
Videos
VRML Views
VRML Fly by Topography
Audio Clips
In Flight Communication
Presentations
Browsing Record 2 of 4
810
Redefined database orientation
Aircraft Component
Aircraft Group
Fueling
Ordnance
Panel
Pilot
Component Name
Cockpit
Aircraft Groups
CANOPY8101
Reports
Crew.doc
Photographs
Cockpit Details: Interior in Flight
For Help, press F1
Orthographic
Perspective
Data
Primary Data
Mission
1415
Correlated Data
Aircraft Component
Aircraft Group
Fueling
Ordnance
Panel
Pilot
1410
Remaining Data

FIG. 14

FIG. 15

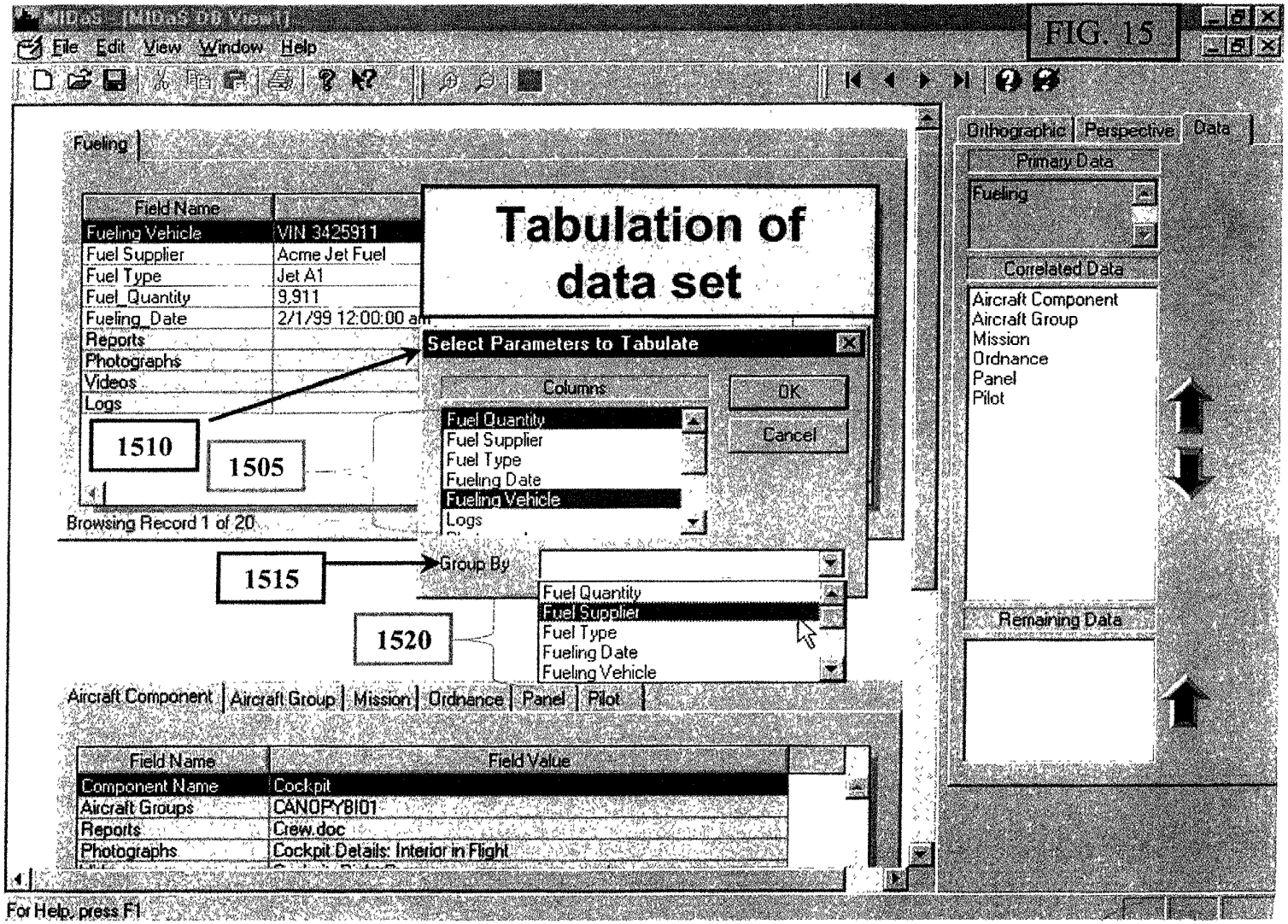

File Edit View Window Help
Fueling
Field Name
Fueling Vehicle
Fuel Supplier
Fuel Type
Fuel_Quantity
Fueling_Date
Reports
Photographs
Videos
Logs
VIN 3425911
Acme Jet Fuel
Jet A1
9,911
2/1/99 12:00:00 am
Tabulation of data set
1510
1505
Browsing Record 1 of 20
Select Parameters to Tabulate
Columns
OK
Cancel
Fuel Quantity
Fuel Supplier
Fuel Type
Fueling Date
Fueling Vehicle
Logs
1515
Group By
1520
Aircraft Component
Aircraft Group
Mission
Ordnance
Panel
Pilot
Field Name
Field Value
Component Name
Cockpit
Aircraft Groups
CANOPY8101
Reports
Crew.doc
Photographs
Cockpit Details: Interior in Flight
Orthographic
Perspective
Data
Primary Data
Fueling
Correlated Data
Aircraft Component
Aircraft Group
Mission
Ordnance
Panel
Pilot
Remaining Data
For Help, press F1

FIG. 16

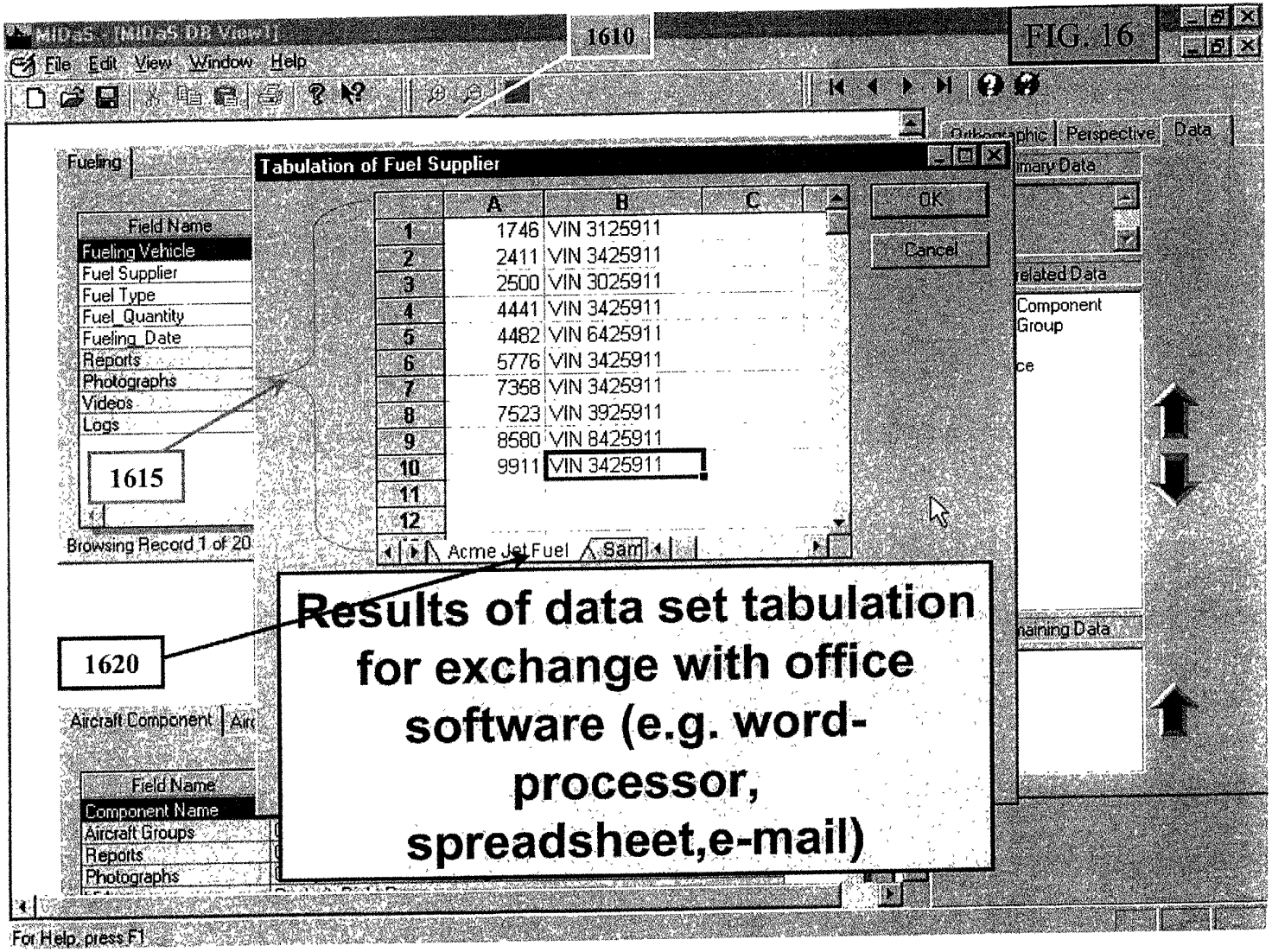

1610
File Edit View Window Help
Perspective
Data
Fueling
Tabulation of Fuel Supplier
OK
Cancel
Field Name
Fueling Vehicle
Fuel Supplier
Fuel Type
Fuel_Quantity
Fueling_Date
Reports
Photographs
Videos
Logs
1615
Browsing Record 1 of 20
A B C
1 1746 VIN 3125911
2 2411 VIN 3425911
3 2500 VIN 3025911
4 4441 VIN 3425911
5 4482 VIN 6425911
6 5776 VIN 3425911
7 7358 VIN 3425911
8 7523 VIN 3925911
9 8580 VIN 8425911
10 9911 VIN 3425911
11
12
Acme Jet Fuel
Sam
Component Group
1620
Results of data set tabulation for exchange with office software (e.g. word-processor, spreadsheet,e-mail)
Aircraft Component
Field Name
Component Name
Aircraft Groups
Reports
Photographs
For Help, press F1

FIG. 17

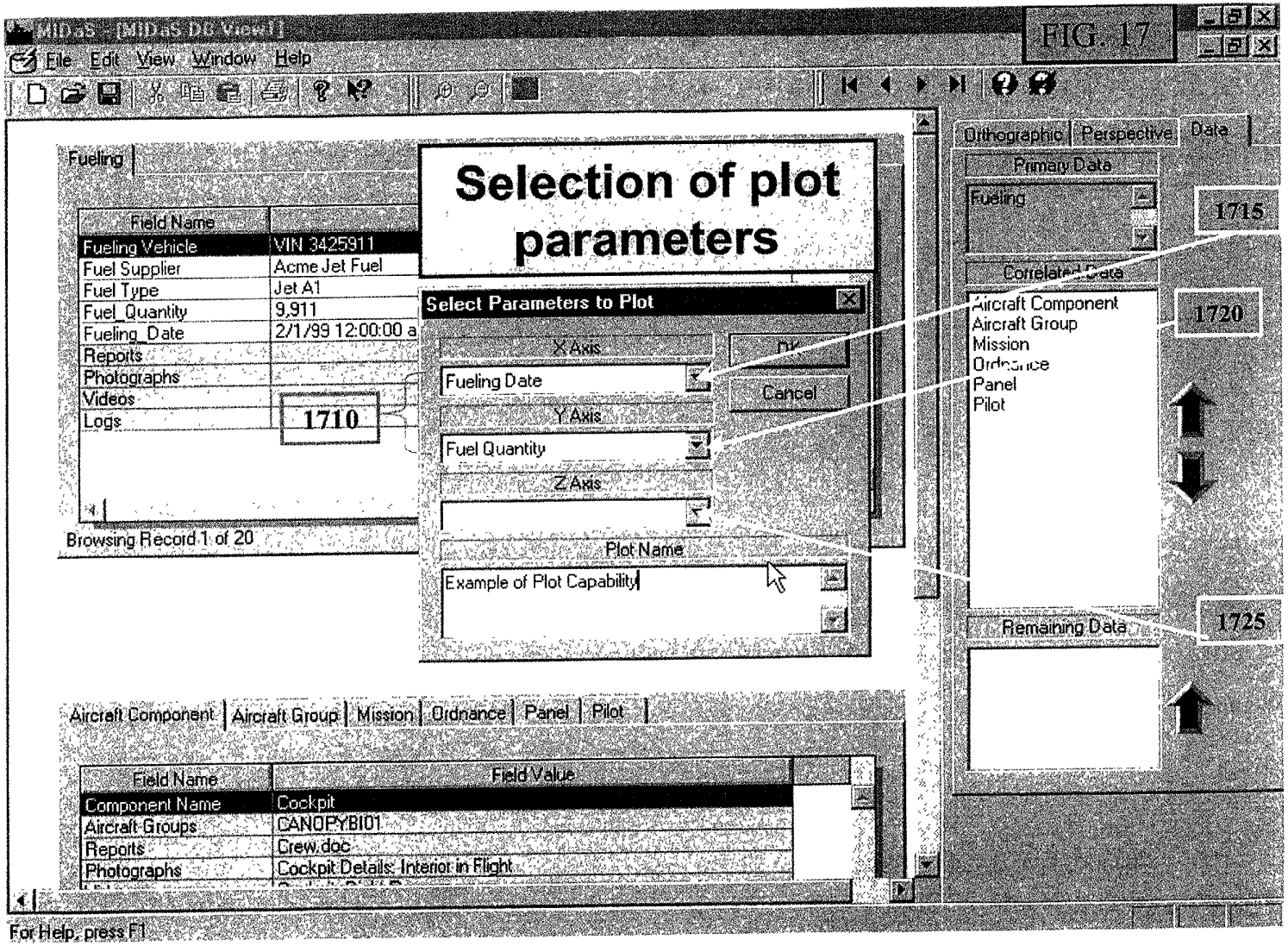

File Edit View Window Help
Fueling
Field Name
Fueling Vehicle
Fuel Supplier
Fuel Type
Fuel_Quantity
Fueling_Date
Repoits
Photographs
Videos
Logs
VIN 3425911
Acme Jet Fuel
Jet A1
9,911
2/1/99 12:00:00 a
1710
Browsing Record 1 of 20
Selection of plot parameters
Select Parameters to Plot
X Axis
Fueling Date
Y Axis
Fuel Quantity
Z Axis
Plot Name
Example of Plot Capability
OK
Cancel
Aircraft Component | Aircraft Group | Mission | Ordnance | Panel | Pilot
Field Name
Field Value
Component Name
Cockpit
Aircraft Groups
CANOPYBI01
Reports
Crew.doc
Photographs
Cockpit Details: Interior in Flight
Orthographic
Perspective
Data
Primary Data
Fueling
1715
Correlate Data
Aircraft Component
Aircraft Group
Mission
Ordnance
Panel
Pilot
1720
Remaining Data
1725
For Help, press F1

FIG. 18

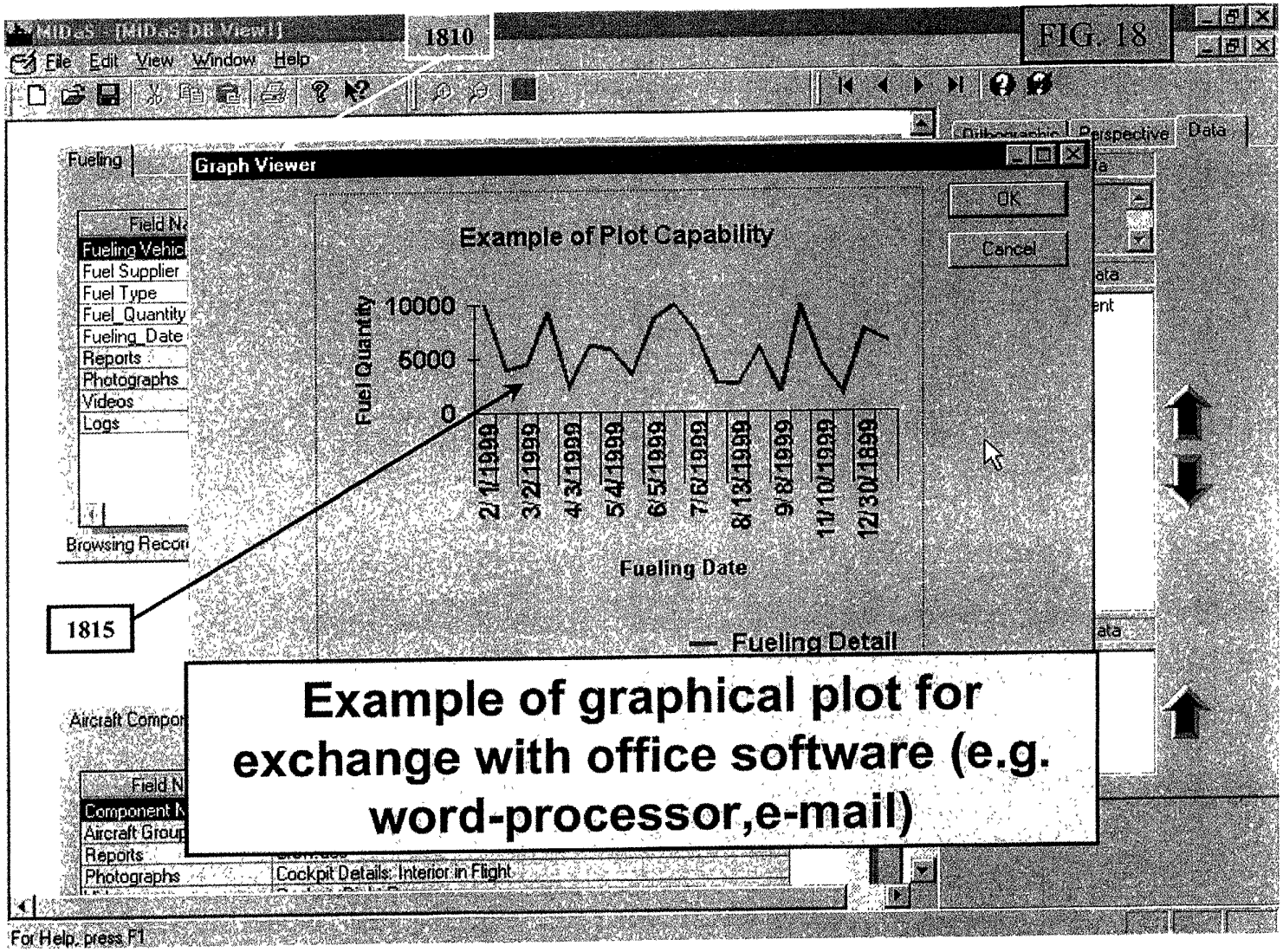

1810
File Edit View Window Help
Fueling
Graph Viewer
OK
Cancel
Example of Plot Capability
Fuel Quantity
10000
5000
0
2/1/1999
3/2/1999
4/3/1999
5/4/1999
6/5/1999
7/6/1999
8/13/1999
9/8/1999
11/10/1999
12/30/1999
Fueling Date
Fueling Detail
1815
Example of graphical plot for exchange with office software (e.g. word-processor,e-mail)
Fueling Vehicl
Fuel Supplier
Fuel Type
Fuel_Quantity
Fueling_Date
Reports
Photographs
Videos
Logs
Component N
Aircraft Group
Reports
Photographs
Cockpit Details: Interior in Flight
Perspective
Data
For Help, press F1

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Fig. 19

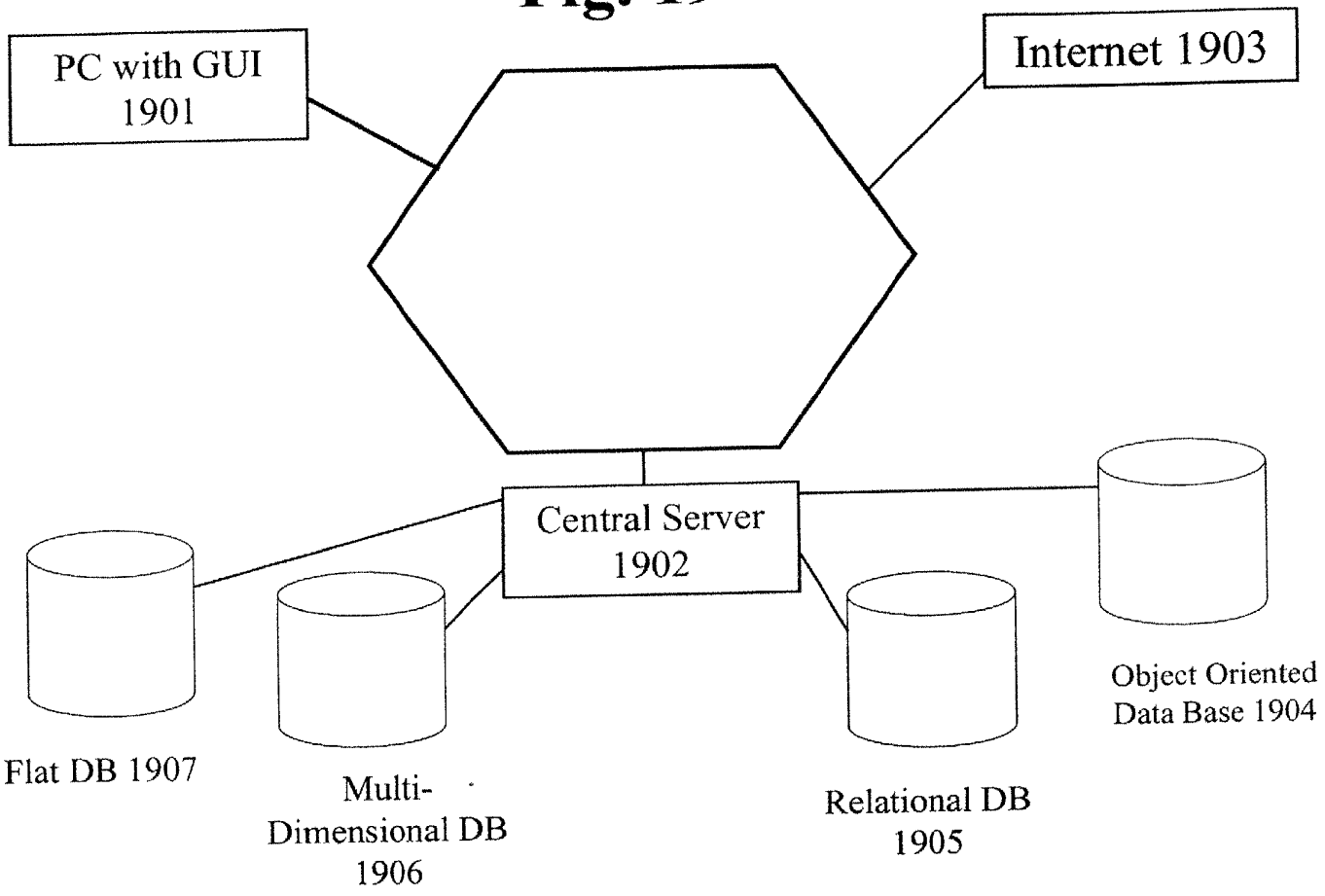

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Fig. 20

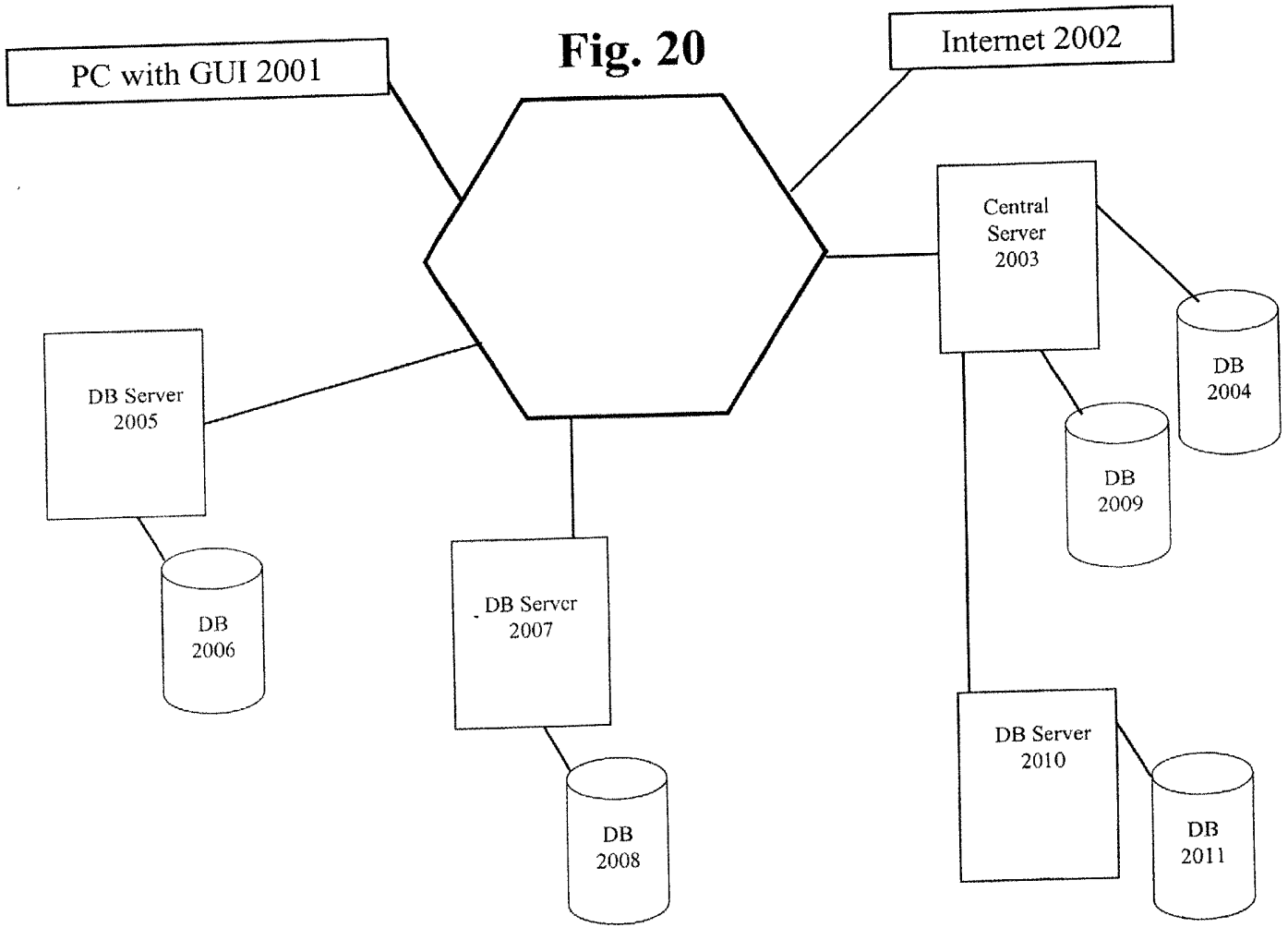


Fig. 21

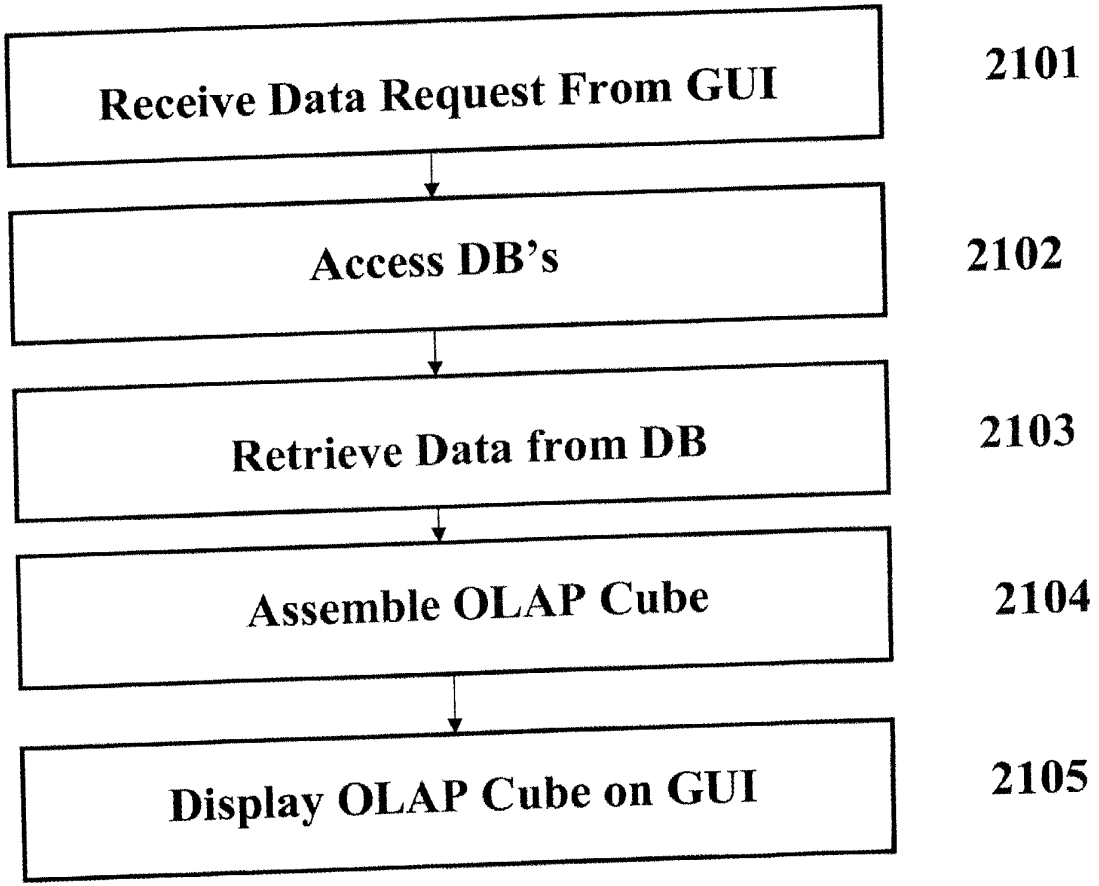
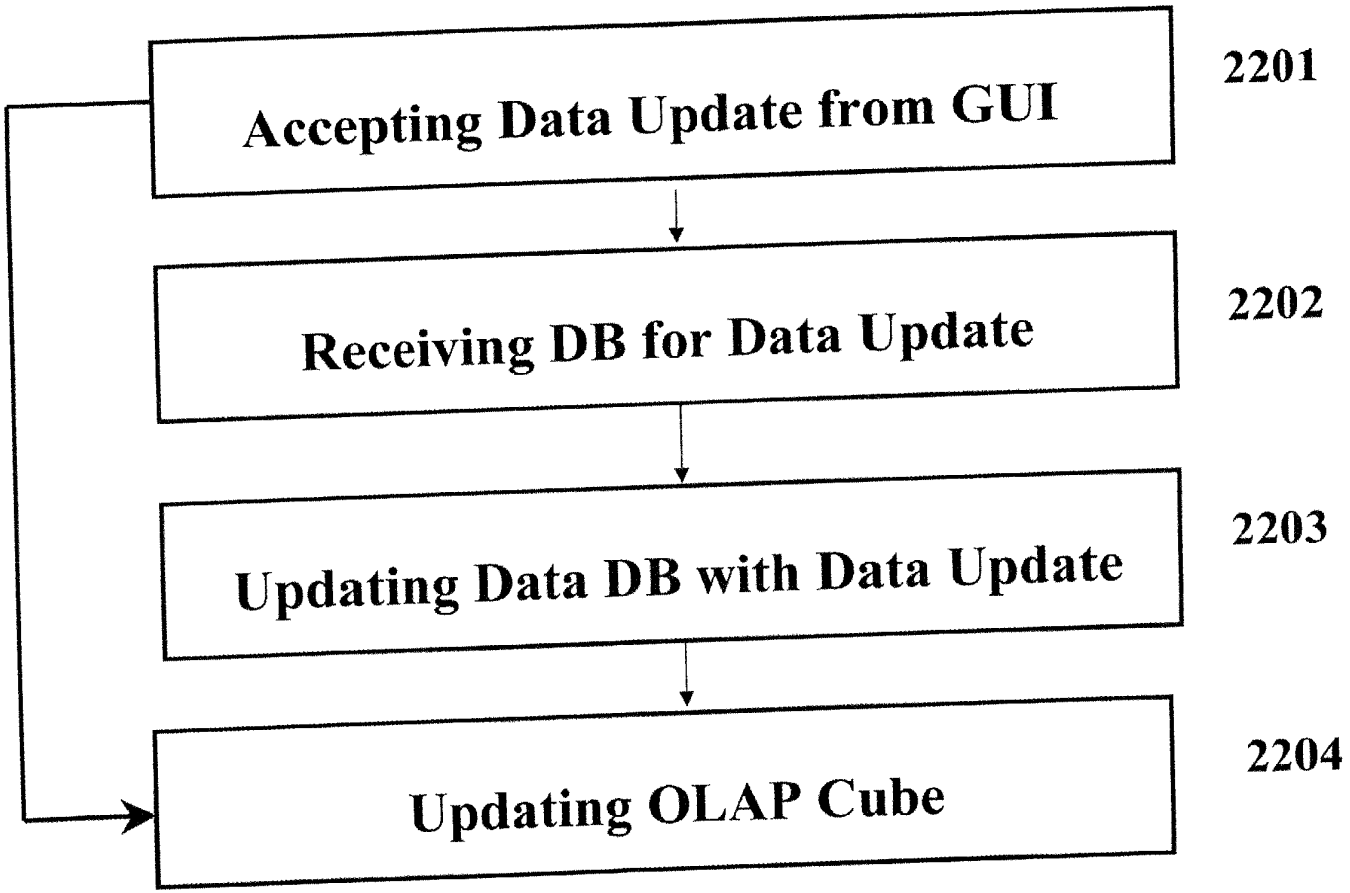

Receive Data Request From GUI
2101
Access DB's
2102
Retrieve Data from DB
2103
Assemble OLAP Cube
2104
Display OLAP Cube on GUI
2105

Fig. 22


Accepting Data Update from GUI
2201
Receiving DB for Data Update
2202
Updating Data DB with Data Update
2203
Updating OLAP Cube
2204